

AMENDMENT TO THE CLAIMS

IN THE CLAIMS:

Please **AMEND** claims 1-18 as follows. Please **ADD** new claims 19-20. A copy of all pending claims and a status of the claims is provided below.

1. (Currently Amended) A system for displaying a graphic image of interest based on compressed graphic image data that include compressed data for the graphic image of interest, said system including:

a memory;

means for storing the compressed graphic image data in the memory;

means for selectively decompressing a portion of said compressed graphic image data as stored in the memory based on a selected coverage section of the graphical image data, said portion including data corresponding to the graphic image of interest; and

display means for displaying the graphic image of interest based on the portion of the compressed graphic image data as decompressed.

2. (Currently Amended) The A system for displaying a graphic image of interest as in Claim 1, wherein said means for storing the compressed graphic image data in the memory further ~~includes~~ means for storing the compressed graphic image data in a linked list in the memory, said linked list including a plurality of nodes.

3. (Currently Amended) The A system for displaying a graphic image of interest as in Claim 2, wherein said means for storing the compressed graphic image data in the linked list

in the memory further includes means for storing the compressed graphic image data in a node in the linked list.

4. (Currently Amended) The A system for displaying a graphic image of interest as in Claim 3, said system further including means for flagging, as unused, nodes in the linked list that does ~~do~~ not include compressed graphic image data for the graphic image of interest.

5. (Currently Amended) The A system for displaying a graphic image of interest as in Claim 4, wherein said means for storing the compressed graphic image data in a node in the linked list further includes:

means for determining if any nodes in the linked list are flagged as unused, and

means for replacing compressed graphic image data in a node flagged as unused, if any in the linked list, with the compressed graphic image data that include compressed data for the graphic image of interest.

6. (Currently Amended) The A system for displaying a graphic image of interest as in Claim 5, wherein said means for storing the compressed graphic image data in a node in the linked list further includes means for adding to the linked list a node for storing the compressed graphic image data if no nodes in the linked list are flagged as unused.

7. (Currently Amended) The A system for displaying a graphic image of interest as in Claim 6, wherein said means for selectively decompressing the portion of the compressed graphic image data as stored in the memory further includes means for decompressing only the compressed data corresponding to the graphic image of interest.

8. (Currently Amended) The A system for displaying a graphic image of interest as in Claim 7, wherein said display means includes means for generating a graphic image based on the portion of the compressed graphic image data as decompressed.

9. (Currently Amended) A method for displaying a requested graphic image from data included in a compressed graphic image data file, said method including steps of:

loading the file into a memory;

decompressing a portion of the file as loaded into the memory, said portion including data for the requested graphic image based on a selected geographical region;

sending the data for the requested graphic image from the portion of the file as decompressed to a frame buffer; and

generating the requested graphic image on a display device based on the data sent to the frame buffer.

10. (Currently Amended) The A method for displaying a requested graphic image from data included in a compressed graphic image data file as in Claim 9, wherein the step of loading the file into a memory includes the step of loading the file into a node in a linked list in the memory, said linked list including a plurality of nodes.

11. (Currently Amended) The A method for displaying a requested graphic image from data included in a compressed graphic image data file as in Claim 10, said method further including the step of flagging, as unused, one or more nodes that do not include the file.

12. (Currently Amended) The A method for displaying a requested graphic image from data included in a compressed graphic image data file as in Claim 11, wherein the step of loading the file into a node in a linked list in the memory further includes the steps of:
determining if any nodes in the linked list are flagged as unused, and
loading the file into a node flagged as unused, if any in the linked list.

13. (Currently Amended) The A method for displaying a requested graphic image from data included in a compressed graphic image data file as in Claim 12, wherein the step of loading the file into a node in a linked list in the memory further includes the step of adding to the linked list a node for storing the file if no nodes in the linked list are flagged as unused.

14. (Currently Amended) A method for displaying geographic images from compressed geographic image data files stored on a storage device, said compressed geographic image data files including a file that includes compressed data for a first area of interest, said method including the steps of:
receiving a request for the first area of interest;
loading the file that includes compressed data for the first area of interest from the storage device into memory, wherein the compressed data includes overhead data that defines a geographical extent of the file;
decompressing a portion of the file as loaded into memory based on the received request for the first area of interest, said portion including data corresponding to the first area of interest;
sending the data for the portion of the file as decompressed to a frame buffer; and

generating a geographic image for the first area of interest on a display device based on the data in the frame buffer.

15. (Currently Amended) The A method for displaying geographic images as in Claim 14, wherein the step of loading the file that includes compressed data for the first area of interest from the storage device into memory includes the step of loading the file into a node in a linked list, said linked list including a plurality of nodes.

16. (Currently Amended) The A method for displaying geographic images as in Claim 15, said method further comprising the step of flagging, as unused, nodes in the linked list that do not include compressed data for the first area of interest.


17. (Currently Amended) The A method for displaying geographic images as in Claim 16, wherein the step of loading the file into a node in a linked list includes the steps of:
determining if any nodes in the linked list are flagged as unused, and
loading the file into a node flagged as unused, if any in the linked list.

18. (Currently Amended) The A method for displaying geographic images as in Claim 17, wherein the step of loading the file into a node in a linked list includes the step of adding to the linked list a node for storing the file if no nodes in the linked list are flagged as unused.

19. (New) The method for displaying geographic images as in Claim 14, wherein the overhead data includes latitude and longitude vertices.

Serial No.: 09/987,954

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20. (New) The method for displaying geographic images as in Claim 1, wherein the compressed data includes overhead data that defines the geographical image data and includes latitude and longitude vertices.
